

Illinois State University
PLAN OF STUDY FOR MAJOR IN BIOLOGICAL SCIENCES – Plant Biology Sequence

Name _____ ID _____ Catalog year _____

Date _____ Minor _____ Career Goal _____

MAJOR REQUIREMENTS:

BSC 196 Biological Diversity (4) _____
BSC 197 Cellular and Mol. Basis of Life (4) _____
BSC 204 Biological Investigations (1) *196, 197* _____

SEQUENCE REQUIREMENTS:

BSC 212 Principles of Botany (4) _____
BSC 219 Genetics (3) _____
BSC 365 Bioenergy Plant/Microbe Biology and the Environment
(3) One of the following: *BSC 201, 203, 212, 219, 260 or con of inst* _____

Conceptual Electives (At least one course):

BSC 201 Ecology (4) _____
BSC 203 Cell Biology (3) *CHE 110 and 112 or 141* _____
BSC 260 Microbiology (4) *CHE 220 or CHE 230 and 231*
or concurrent registration _____
BSC 305 Biological Evolution (3) *BSC 196 and 197;*
junior or senior standing _____

Plant Electives (At least two courses):

BSC 211 Economic Botany (4) _____
BSC 223 Ecology and Conservation of Plants (4) _____
BSC 330 Biology of Algae (4) _____
One of the following: *BSC 201, 203, 212, 219, 260 or con of inst* _____
BSC 333 Plant Diversity (4) *BSC 211, 212, or 223* _____
BSC 335 Plant Taxonomy (3) *BSC 211, 212, or 223*
and concurrent registration in BSC 336 _____
BSC 336 Laboratory in Plant Identification (1)
concurrent registration in BSC 335 _____
BSC 346 Developmental Biology (3) *203 or consent of instructor* _____

Additional Electives: 200 or 300 level, as need to achieve the 37 hour minimum and five courses with laboratories.

TOTAL BIOLOGY HOURS (**37 required**) _____

ADDITIONAL REQUIRED NON-BIOLOGY COURSES:

CHE 140/141 or 110/112 (general or fund.) _____ CHE 220 or 230/231 Organic Chemistry _____

OPTIONAL CHEMISTRY

CHE 232 Org Chem II _____ CHE 233 Org Chem Lab II _____ CHE 242 or 342 Biochem _____ CHE 215 Analytical Chem _____

PHY 105 Fund of Physics 1 _____ or PHY 108 College Physics I _____ or PHY 110 Physics for Sci & Eng I _____

MATH (applied option)

MAT 120 Finite Mathematics _____ MAT 121 Applied Calculus **or** ECO/GEO/PSY 138 Statistics _____

MATH (theoretical option)

MAT 145 Calculus I _____

MAT 146 Calculus II or ECO/GEO/PSY 138 Statistics _____

MINOR or other coursework needed _____

GENERAL EDUCATION PLAN: ISU Gen Ed AA/AS IAI (see www.itransfer.org)

ISU GRADUATION REQUIREMENTS: (check mark indicates completion)

Minimum Degree Hours 120 _____

Senior College Hours (200 or 300 level) 42 _____

General Education: _____

Global Studies Course

One Year Foreign Language (Students with 3 years of H.S. for. lang. are exempt)

SCHEDULE (* Denotes Senior Hours)

This is a proposed schedule. Courses may or may not be offered in the proposed semester. Students are responsible for checking their progress summaries for deficiencies each semester. Progress summaries may be obtained in Moulton Hall or viewed online through the myIllinoisState Portal at my.illinoisstate.edu

Students should read their catalogs carefully. The catalog rules are binding.

Summer 2013	Fall 2013	Spring 2014
Summer 2014	Fall 2014	Spring 2015
Summer 2015	Fall 2015	Spring 2016

Notes for Plan: _____

